



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Clopay Building Products Company**  
8585 Duke Boulevard  
Mason, OH 45040

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Steel Pan Sectional Garage Door up to 18'-2" Wide (DP +42, -46 PSF)**

**APPROVAL DOCUMENT:** Drawing No. **102621**, titled "Clopay M/N 84A, 94 & H94, Ideal M/N 4RST & H4ST, Holmes M/N 48", sheets 1 of 1, dated 06/17/2002, prepared by Clopay Building Products Company, signed and sealed by Mark W. Westerfield, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, Troy, OH, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 12-0125.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Signature]*  
02/14/2013

NOA No. 12-1213.05  
Expiration Date: February 13, 2014  
Approval Date: February 21, 2013  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 12-0125.05”**

1. Drawing No. **102621**, titled “Clopay M/N 84A, 94 & H94, Ideal M/N 4RST & H4ST, Holmes M/N 48”, sheets 1 of 1, dated 06/17/2002, prepared by Clopay Building Products Company, signed and sealed by Mark W. Westerfield, P.E.

**B. TESTS “Submitted under NOA # 02-1115.05”**

1. Test report on Large Missile Impact Test per FBC, PA 201, Cyclic Wind Pressure Test per FBC, PA 203 and Uniform Static Air Pressure Test per FBC, PA 202 on an 18’-2’ x 8’ door model 94, prepared by American Test Lab of South Florida, Report No. **ATL 0924.02-02**, dated 10/29/2002, signed and sealed by W. Mehner, P.E.
2. Addendum No. **ATL 02055** to Test Report No. **0924.02-02**, prepared by American Test Lab of South Florida dated 12/30/2002, signed and sealed by W. R. Mehner P.E.

**C. CALCULATIONS “Submitted under NOA # 02-1115.05”**

1. Fastener attachment calculations prepared by M. W. Westerfield, sheets 1 & 2 signed and sealed by Mark W. Westerfield, P.E., on 11/12/2002.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS “Submitted under NOA # 02-1115.05”**

1. Tensile test report No. 2JM-1181 per ASTM E8, prepared by Q. C. Metallurgical, Inc, dated 10/23/2002, signed and sealed by F. Grate, P.E.
2. Salt Spray Exposure test report No. 9EM-1144, per ASTM D1654 & ASTM B117, prepared by Q. C. Metallurgical Inc, dated 08/03/1999, signed and sealed by F. Grate, P.E.

**F. STATEMENTS**

1. Testing contract letter issued by American Test Lab, Inc., dated 11/07/2012, signed by Keith Owen.

**“Submitted under NOA # 12-0125.05”**

2. Statement letter of code conformance to 2007 and 2010 FBC, dated 01/19/2012, signed and sealed by Mark W. Westerfield, P.E.



02/14/2013

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-1213.05

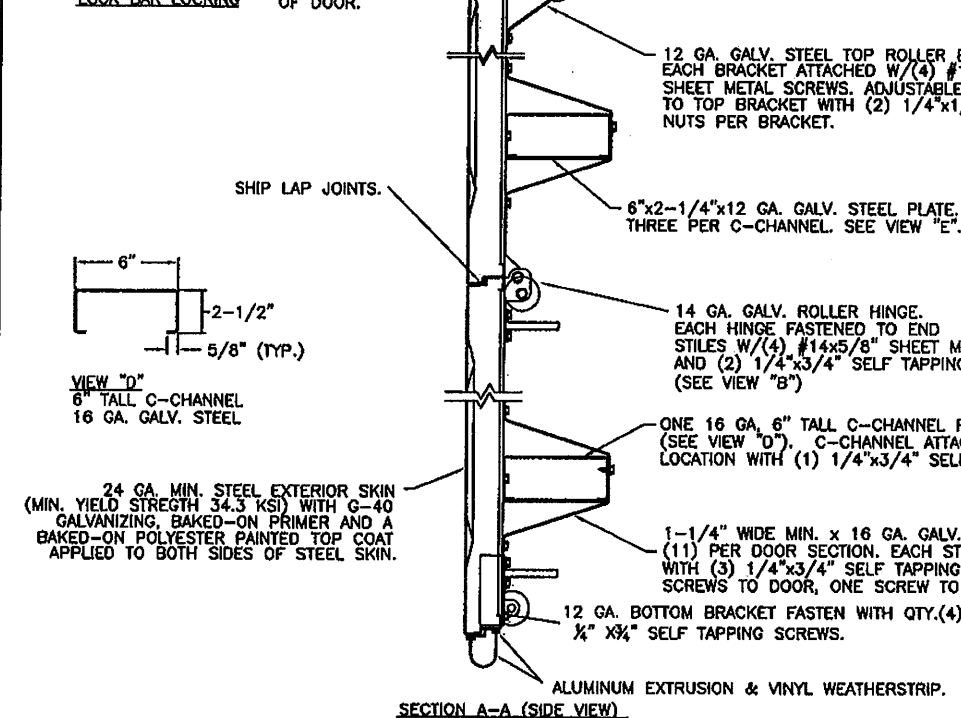
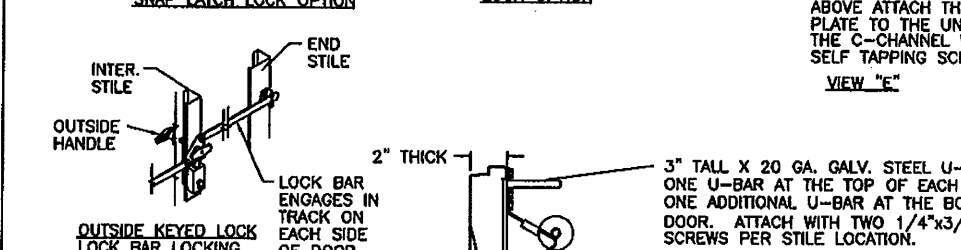
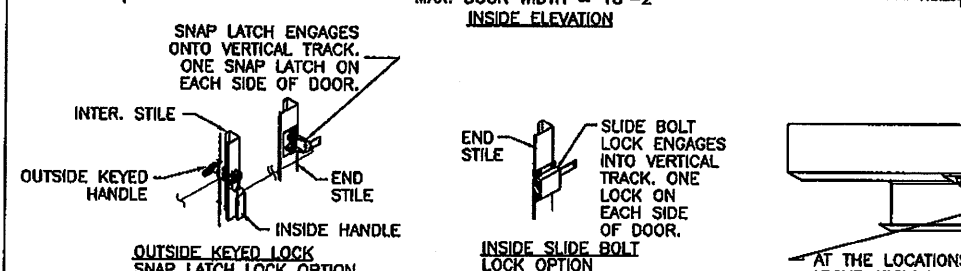
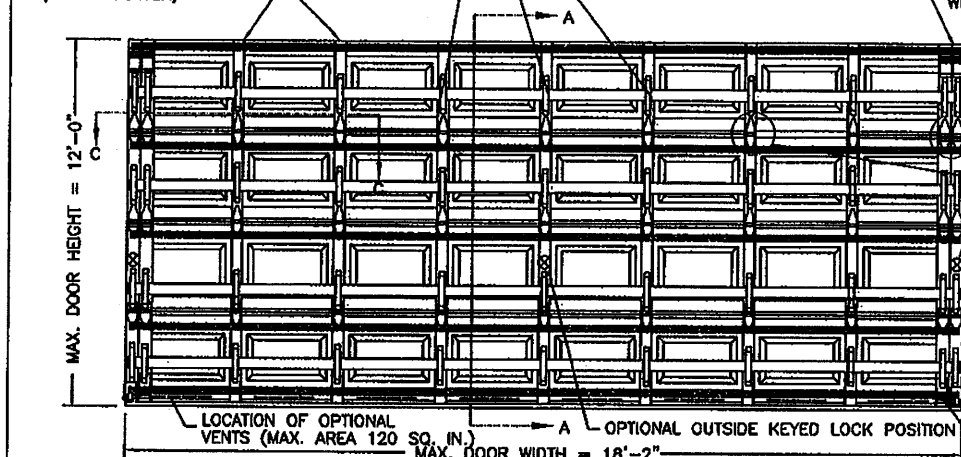
Expiration Date: February 13, 2014  
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CLOPAY MODELS 84A, 94, H94  
IDEAL MODELS 4RST, H4ST  
HOLMES MODELS 48

ONE 20 GA. INTERMEDIATE STILE BETWEEN EACH EMBOSSED LOCATION ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER)

ATTACH PLATES AT THESE LOCATIONS ON EACH SECTION OF THE DOOR SEE VIEW E

16 GA. PAINTED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).  
18 GA. GALV. DOUBLE END STILES ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.



24 GA. MIN. STEEL EXTERIOR SKIN (MIN. YIELD STRENGTH 34.3 KSI) WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

NOTE: SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS SHOWN ON THIS DRAWING.

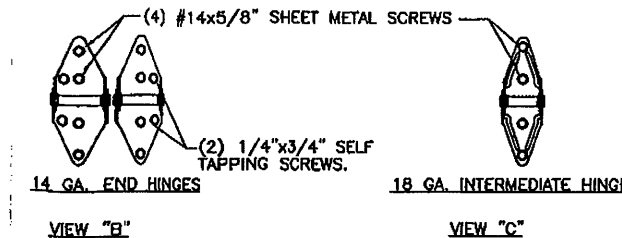
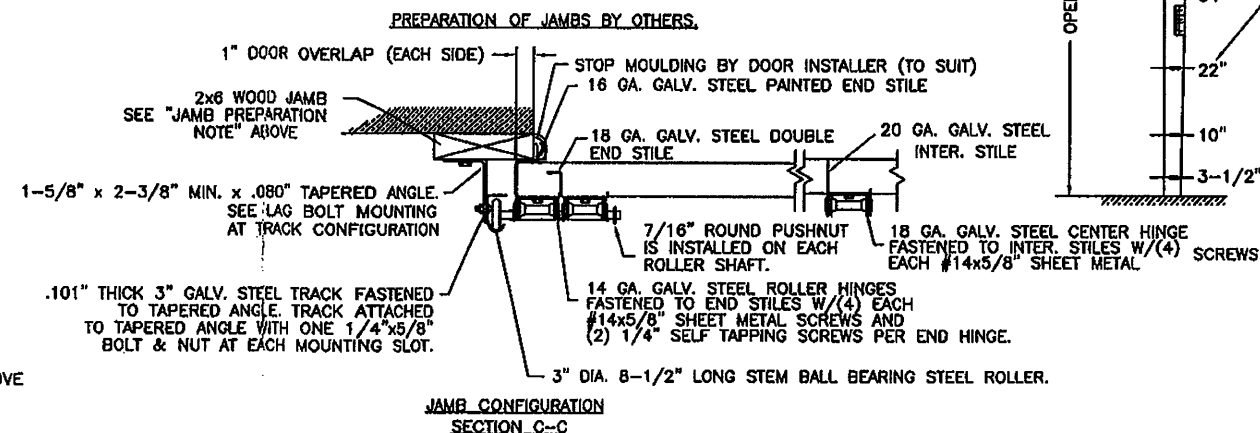


TABLE 1

DOOR HEIGHT	NUMBER OF SECTIONS *
6'-0" TO 7'-0"	4
7'-0" TO 8'-0"	5
8'-0" TO 10'-0"	6
10'-0" TO 12'-0"	7

\* SECTIONS ARE EITHER 18" OR 21" HIGH

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No 12-1213.05  
Expiration Date 02/13/2014  
By *[Signature]*  
Miami Dade Product Control



### JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- NOTES:
- 1) ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL YELLOW PINE (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
  - 2) ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

### WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED SYP OR BETTER GRADE #2 OR BETTER WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F<sub>b</sub>). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

### C-90 BLOCK WALL, 2,000 OR 3,000 PSI MIN. CONCRETE

2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

### 2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

BUILDING TYPE	FASTENER TYPE	MAXIMUM * ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	6"	1" O.D.
3,000 PSI MIN. CONCRETE	1/4" x 4" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	18"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/4" EMBED) ITW RED HEAD WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	24"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	14"	1" O.D.
C-90 GROUT-FILLED BLOCK	3/8" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	7-3/4"	INCLUDED
2,000 PSI MIN. CONCRETE	3/8" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/4" MIN. EDGE DISTANCE)	20"	INCLUDED

- \* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE. HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT
- #- ANCHORS CAN BE INSTALLED DIRECTLY THROUGH TAPERED TRACK ANGLE IN LIEU OF 5/8 X 1-5/8 LAG SCREWS

DESIGN LOADS: +42.0 P.S.F. & -46.0 P.S.F.

**Glopay**  
Building Products Company

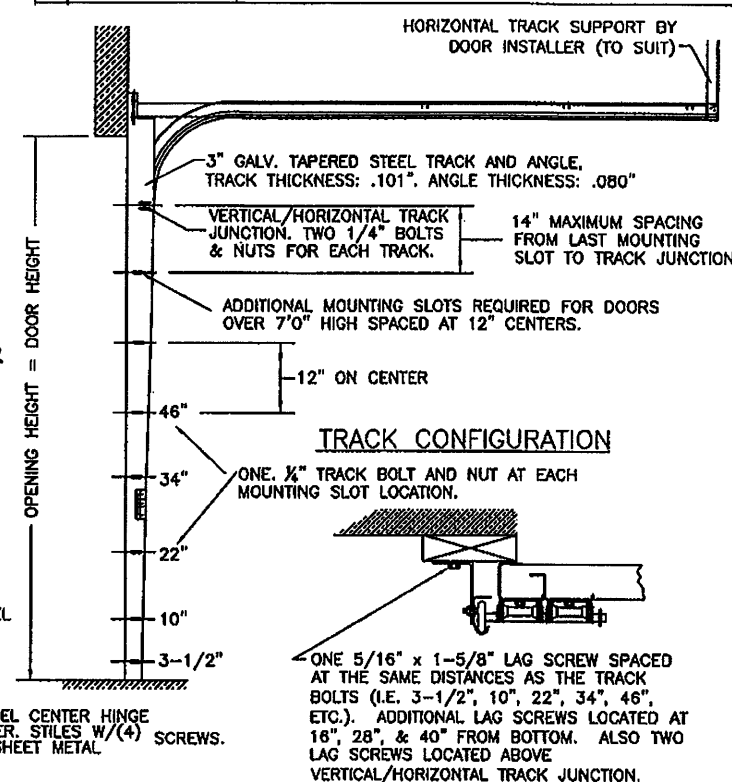
CLOPAY BUILDING PRODUCTS COMPANY  
8585 DUKE BLVD.  
MASON, OH 45040  
(513) 770-4800

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SCALE: NONE  
DATE: 6/17/02  
DRAWN BY: RJK  
CHECKED BY: MWW

DESCRIPTION: CLOPAY M/N 84A, 94 & H94  
IDEAL M/N 4RST & H4ST; HOLMES M/N 48  
DRAWING NUMBER: 102621  
VER: MD

REV	DATE	DESCRIPTION
2	1/06/2003	AFFIRMED COMPLIANCE WITH 2010 FBC



DOOR HEIGHT	VERTICAL TRACK LENGTH
6'-6"	66"
7'-0"	72"
7'-6"	78"
8'-0"	84"
9'-0"	90"
10'-0"	96"
12'-0"	132"

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No 12-0125.05  
Expiration Date 02/13/2013  
By *[Signature]*  
Miami Dade Product Control

THIS PRODUCT CONFORMS TO THE REQUIREMENTS OF THE 2007 AND 2010 FBC.

DESIGN ENGINEER: MARK W. WESTERFIELD, P.E.  
FLORIDA REGISTRATION No. 48495

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (EMBOSS).